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Climate benefit of Najd
This presentation contains sketch from me and some pictures from the internet.
Climate like: wind, dust, rainfall, sun, and the rest.
I will be explained in a slide with a summary of the sayings of some of the articles.

Dust and how to deal with it

Some residents complain of dust accumulating around their homes or even inside their homes.

One of the main aspects was surrounding the house with palm trees, as we can see in the picture. Palm trees acted as natural barriers against sand and filtered the air. The walls prevented any dust and sand from entering the house



Rain and how do you work with it.

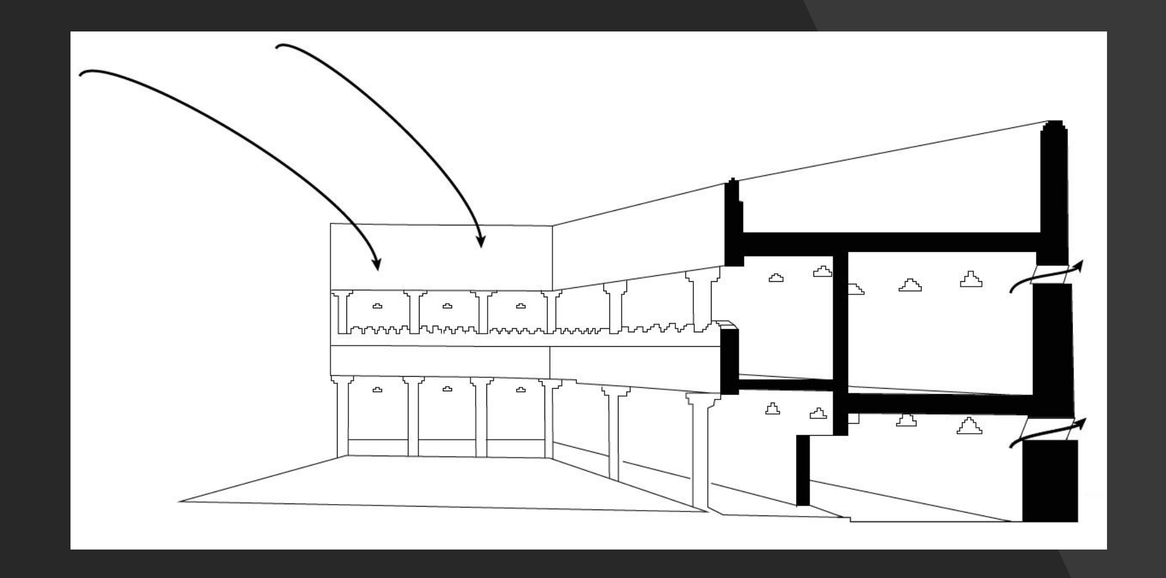
One of the solutions there were many ways to build roofs in old mud buildings, using wooden beams, bundles of straw, or pitched roofs; To maintain the integrity of building surfaces and protect them from the influence of rain.



How to deal with the wind

The large courtyard, which is located in the middle of the house, helps control the air and the way the houses are ventilated.

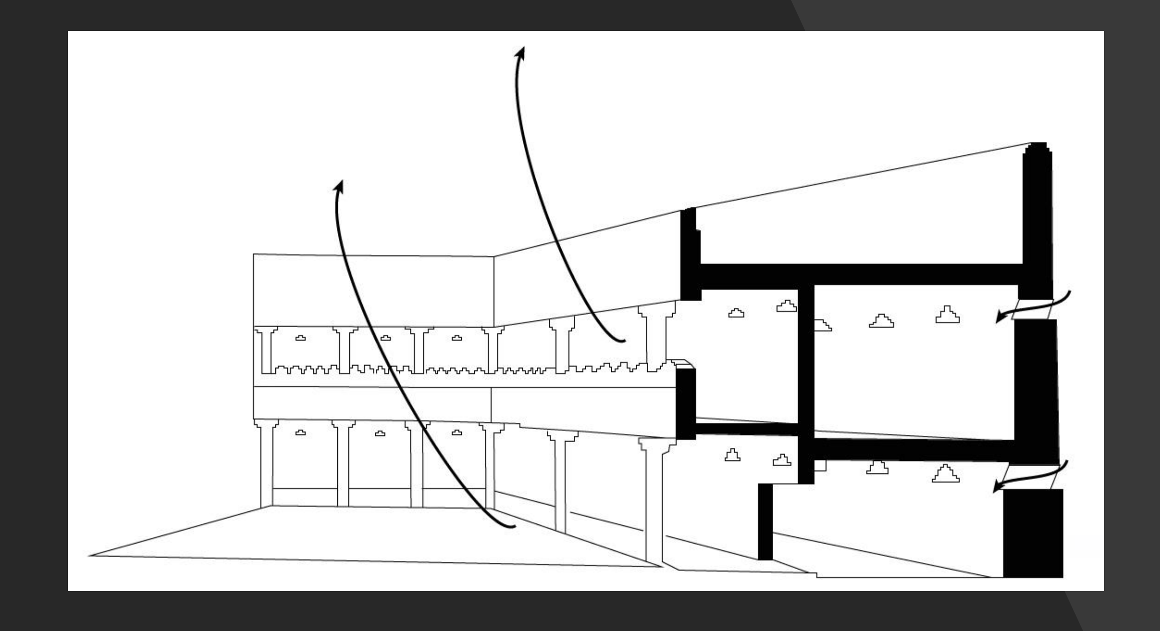
During the night, the courtyard and roof act as a cool air sink. It enters from the large courtyard and then exits the openings in the rooms



How to deal with the wind

Reverse the first way

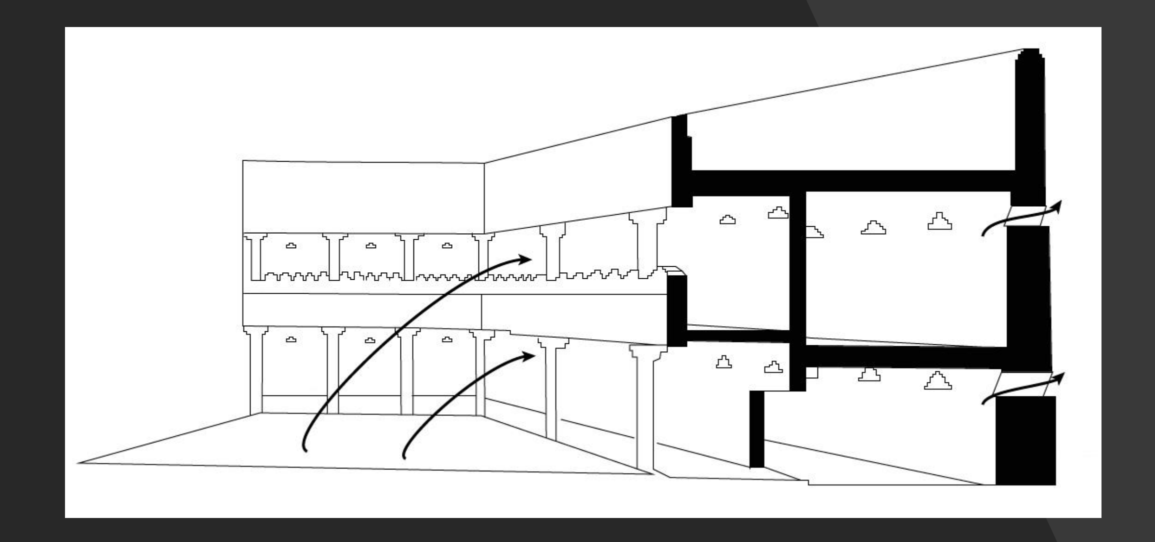
During the day, the sun heats the courtyard. Warm air rises creating a chimney effect and pulls breeze through the rooms.



How to deal with the wind

In the evening, the courtyard and buildings retain heat then give it off as the night air cools.

Also notice that the hot air is expelled and the cold air enters the rooms.



The last three methods, and they usually happen in all seasons of the year, but in extreme cases like the one I mentioned, namely dust and rain, have been plans made for them to withstand these conditions, and it has worked with them.



Thank you for watching my presentation, I hope you enjoyed it